

TS (and JS)

Note: (Brew install cloc)

DB:

<https://github.com/typeorm/typeorm>

```
Line count, exceeded timeout: ./test/github-issues/1997/issue-1997.ts
Line count, exceeded timeout: ./test/github-issues/3946/issue-3946.ts

github.com/AlDanial/cloc v 1.96 T=123.00 s (24.0 files/s, 2419.0 lines/s)
-----
Language               files      blank      comment      code
-----
TypeScript              2806       29686       57853       163152
Markdown                109        7775         26       23313
JSON                   18          1          0       14322
YAML                   11          31         62        618
JavaScript              4         107         55        409
Bourne Shell            4          17          3         71
Dockerfile              1           5          0         13
XML                     1           0          0          9
-----
SUM:                   2954       37622      57999      201907
-----

[RINMAC1831:typeorm sreedhar.k$ cd ..
[RINMAC1831:Desktop sreedhar.k$ git clone https://github.com/prisma/prisma.git
Cloning into 'prisma'...
remote: Enumerating objects: 120000, done
```

<https://github.com/prisma/prisma.git>

```

Receiving objects: 100% (87000/87000), done.
Updating files: 100% (2255/2255), done.
[RINMAC1831:Desktop sreedhar.k$ cd prisma/
[RINMAC1831:prisma sreedhar.k$ cloc .
    2154 text files.
    1420 unique files.
    820 files ignored.

github.com/AlDanial/cloc v 1.96 T=5.21 s (272.6 files/s, 29218.0 lines/s)
=====
Language               files      blank      comment      code
-----
TypeScript              1205       14947        7718       107187
YAML                    22         1890         181        13872
JSON                    74          7          0         1852
JavaScript              40         215         222        1401
Markdown                34         543          5         1257
SQL                     21          46          63         395
Bourne Shell            10          54          72         130
diff                     1          15          53          34
Dockerfile              4           8          15          15
DOS Batch               5           0           0          10
PowerShell              1           2           0           6
TOML                    2           0           2           2
Text                    1           0           0           1
=====
SUM:                    1420       17727        8331       126162
=====
[RINMAC1831:prisma sreedhar.k$ cd ..
[RINMAC1831:Desktop sreedhar.k$ roc_stgf
bash: roc_stgf: command not found

```

<https://github.com/Automattic/mongoose.git>

```

[RINMAC1831:mongoose sreedhar.k$ cloc .
    656 text files.
    647 unique files.
    43 files ignored.

github.com/AlDanial/cloc v 1.96 T=7.15 s (90.5 files/s, 24676.9 lines/s)
=====
Language               files      blank      comment      code
-----
JavaScript              459       21764       19584       97729
Markdown                66       3500          4       15226
TypeScript              58       1907       3381       7528
JSON                    17          0          0        2478
CSS                      8        165         18       1469
Pug                     11         90          0        784
YAML                    21         69         16        600
SVG                      5          0          0         67
HTML                     1          1          0          8
XML                      1          0          0          2
=====
SUM:                    647       27496       23003       125891
=====
[RINMAC1831:mongoose sreedhar.k$ cd ..
[RINMAC1831:Desktop sreedhar.k$ git clone https://github.com/microsoft/js-codes

```

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```

Language:

<https://github.com/microsoft/TypeScript.git>

```
Terminal Shell Edit View Window Help Desktop -- ar-kreedhar01@stg-bid101z:~ -- -bash -- 178x48
-- ar-kreedhar01@stg-bid101z:~ -- -bash -- ~/Desktop -- ar-kreedhar01@stg-bid101z:~ -- -bash --
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/configWithReference/dependency-dts-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/configWithReference/dependency-dts-changes.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/configWithReference/dependency-dtsMap-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/configWithReference/dependency-dtsMap-changes.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/configWithReference/usage-file-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/disabledSourceRef/dependency-dts-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/disabledSourceRef/dependency-dtsMap-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projectReferencesSourceMap/dependencyAndUsage/disabledSourceRef/usage-file-changes-with-timeout-before-request.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/projects/tsconfig-script-block-support.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/symLinks/module-resolution-with-path-mapping-when-project-compiles-from-sources.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/symLinks/module-resolution-with-path-mapping-when-project-has-node_modules-setup-but-doesnt-have-modules-in-typings-folder-and-then-recompiles.js
Line count, exceeded timeout: TypeScript/tests/baselines/reference/tsserver/symLinks/module-resolution-with-path-mapping-when-project-recompiles-after-deleting-generated-folders.js

github.com/AIDanial/cloc v 1.96 T=175.30 s (218.3 files/s, 25106.6 lines/s)
-----
Language      files      blank      comment      code
-----
JavaScript    12960      141863     225229      1839315
TypeScript    18224      101903     767433      665456
Text          5777       34450      0            338865
XML           13         0          0            225325
JSON          1241       136        0            67296
YAML          17         92         44           574
Markdown      18         282        95           553
Dockerfile    12         2          21          153
Bourne Shell   1          0          0            2
SUM:          38263     278728     992822     3129539

RINMAC1831:Desktop sreedhar.k$ cloc TypeScript/
```

<https://github.com/TypeStrong/ts-node.git>

```
RINMAC1831:Desktop sreedhar.k$ cd ts-node/
RINMAC1831:ts-node sreedhar.k$ cloc .
469 text files.
394 unique files.
88 files ignored.

github.com/AIDanial/cloc v 1.96 T=0.38 s (1031.1 files/s, 91484.1 lines/s)
-----
Language      files      blank      comment      code
-----
JavaScript    98         1421       1735         12082
TypeScript    133        1302       1692         9959
Markdown      48         1119       158          2869
JSON          92         29         0            1299
SVG           6          0          26           701
YAML          7          13         22           213
Bourne Shell   3          35         26           81
CSS           3          16         34           81
HTML          1          1          0            18
JSX           2          3          0            15
XML           1          0          0            9
SUM:          394        3939      3693         27327

RINMAC1831:ts-node sreedhar.k$
```

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Frontend:

<https://github.com/angular/angular.git>

```

(RINMAC1831:Desktop sreedhar.k$ cd angular/
(RINMAC1831:angular sreedhar.k$ cloc .
    8711 text files.
    7964 unique files.
    1382 files ignored.

4 errors:
Line count, exceeded timeout: ./packages/common/http/src/xhr.ts
Line count, exceeded timeout: ./packages/common/http/test/xhr_spec.ts
Line count, exceeded timeout: ./packages/compiler/test/render3/view/i18n_spec.ts
Line count, exceeded timeout: ./packages/service-worker/worker/test/happy_spec.ts

github.com/AlDanial/cloc v 1.96 T=20.10 s (396.2 files/s, 49517.1 lines/s)

```

Language	files	blank	comment	code
TypeScript	4345	78275	103804	418701
JavaScript	966	26485	31838	145230
Markdown	498	28063	1293	61372
JSON	520	62	0	38731
Starlark	602	2353	1845	17069
HTML	540	1939	1190	11942
YAML	112	210	560	5874
SCSS	126	1062	218	5853
CSS	121	981	151	5114
SVG	53	9	13	1266
Bourne Shell	31	268	287	967
Text	17	34	0	683
XML	10	6	0	291
diff	9	42	250	256
Bazel	1	33	34	148
Pascal	1	40	130	109
PlantUML	7	20	0	98
Windows Resource File	3	11	0	41
Protocol Buffers	1	9	27	15
INI	1	4	0	10
SUM:	7964	139906	141640	713770

```

(RINMAC1831:angular sreedhar.k$

```

Bazel and startark:

- Installing: <https://bazel.build/install>
- Bazel is a free software tool used for the automation of building and testing software. The company Google uses the build tool Blaze internally and released an open-sourced port of the Blaze tool as Bazel, named as an anagram of Blaze. Bazel was first released in March 2015 and achieved beta status by September 2015. [Wikipedia](#)

- Starlark is **a dialect of Python intended for use as a configuration language**. The language is developed by Google for the Bazel build tool.

Starlark Language Specification.

- <https://github.com/bazelbuild/starlark>
- <https://bazel.build/rules/language>

Backend:

<https://github.com/nestjs/nest>

```

LICENSE          benchmarks          integration          package.json
RINMAC1831:nest sreedhar.k$ cloc .
    2007 text files.
    1595 unique files.
    413 files ignored.

github.com/AlDanial/cloc v 1.96 T=3.68 s (433.7 files/s, 181760.4 lines/s)
=====
Language          files          blank          comment          code
-----
JSON              129             0             0             579065
TypeScript       1375           8878          5908           71720
Markdown         26             390           42             816
YAML             16             86            42             638
JavaScript        15             15            25             271
GraphQL          8              34            17             163
Protocol Buffers  12             27            0              93
Text              1              12            0              76
HTML              4              3             0              60
SVG               1              0             0              43
Bourne Shell      7              7             8              23
Handlebars        1              3             0              10
-----
SUM:              1595           9455          6042           652978
=====
RINMAC1831:nest sreedhar.k$ clear
RINMAC1831:nest sreedhar.k$ cd

```

```

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```

ML:

<https://github.com/machinelearnjs/machinelearnjs.git>

```

    50 files ignored.

github.com/AlDanial/cloc v 1.96 T=1.12 s (129.9 files/s, 36630.1 lines/s)
=====
Language          files          blank          comment          code
-----
JSON               9             11             0           26239
TypeScript        108           1080          2843           8593
CSV                3              0             0            959
Markdown           8             179           3            353
Handlebars         4             27            0            138
JavaScript         3              6             0            113
Bourne Shell       5             34            35            111
YAML               2             14            14             65
Stylus             1              8             7             33
Dockerfile         1              5             3             14
XML                1              0             0              2
-----
SUM:              145           1364          2905           36620
=====
RINMAC1831:machinelearnjs sreedhar.k$ █

```

```

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```

Testing:

Unit testing:

<https://github.com/facebook/jest.git>

UI testing:

<https://github.com/cypress-io/cypress.git>

```
Cloning into 'cypress'...
remote: Enumerating objects: 367149, done.
remote: Counting objects: 100% (1522/1522), done.
remote: Compressing objects: 100% (833/833), done.
remote: Total 367149 (delta 937, reused 1166 (delta 683), pack-reused 365626)
Receiving objects: 100% (367149/367149), 796.42 MiB | 1.96 MiB/s, done.
Resolving deltas: 100% (277409/277409), done.
Updating files: 100% (6396/6396), done.
RINMAC1831:Desktop sreedhar.k$ cd cypress/
RINMAC1831:cypress sreedhar.k$ cloc .
6823 text files.
5216 unique files.
947 files ignored.

24 errors:
Line count, exceeded timeout: ./packages/app/cypress/cba/specs/cy.ts
Line count, exceeded timeout: ./packages/data-context/src/sources/migration/shouldShowSteps.ts
Line count, exceeded timeout: ./packages/driver/cypress/plugins/server.js
Line count, exceeded timeout: ./packages/extension/test/support/force-comparison-tool.ts
Line count, exceeded timeout: ./packages/extension/test/integration/background_spec.js
Line count, exceeded timeout: ./packages/network/test/unit/client_certificates_spec.ts
Line count, exceeded timeout: ./packages/server/test/unit/socket_spec.js
Line count, exceeded timeout: ./packages/server/test/unit/util/args_spec.js
Line count, exceeded timeout: ./system-tests/_snapshots_/component_testing_spec.ts.js
Line count, exceeded timeout: ./system-tests/_snapshots_/plugin_run_event_spec.ts.js
Line count, exceeded timeout: ./system-tests/_snapshots_/plugins_not_supported.ts.js
Line count, exceeded timeout: ./system-tests/_snapshots_/request_spec.ts.js
Line count, exceeded timeout: ./system-tests/_snapshots_/vinit_spec.js
Line count, exceeded timeout: ./system-tests/test/record_spec.js

github.com/AlDanial/cloc v 1.96 T=49.91 s (87.1 files/s, 10827.8 lines/s)

Language files blank comment code
TypeScript 1696 48563 27896 176212
JavaScript 1689 39472 21249 148287
JSON 432 52 0 68168
diff 18 49 378 45648
Vue.js Component 319 2677 647 22888
Markdown 196 4426 182 7795
CSS 42 702 333 3944
YAML 24 229 282 3683
JSX 181 698 185 3632
GraphQL 2 748 1556 1555
Text 15 1135 0 1688
DTS 221 1 0 1864
DTS 31 115 2 744
Bourne Shell 18 65 18 177
Bash 8 26 0 142
CoffeeScript 22 13 3 76
EJS 6 7 0 41
XML 1 0 0 12
CSV 3 0 0 9

SUM: 5216 92583 52668 583778

RINMAC1831:cypress sreedhar.k$
```

<https://github.com/mochajs/mocha>

- liquid

```
RINMAC1831:~$ cd /Users/sreedhar.k/
RINMAC1831:mocha sreedhar.k$ CLOC .
494 text files.
466 unique files.
60 files ignored.

2 errors:
Line count, exceeded timeout: ./package-scripts.js
Line count, exceeded timeout: ./test/integration/options/parallel.spec.js

github.com/AlDanial/cloc v 1.96 T=5.60 s (83.2 files/s, 16346.6 lines/s)

Language files blank comment code
JSON 13 0 0 42794
JavaScript 402 4360 6603 28845
Markdown 21 1876 48 4066
CSS 5 224 173 964
SVG 6 3 4 485
HTML 3 0 0 476
YAML 10 10 19 415
liquid 1 8 1 141
TOML 1 4 8 10
CoffeeScript 3 2 0 8
TypeScript 1 0 1 1

SUM: 466 6487 6857 78205

RINMAC1831:mocha sreedhar.k$
```

<https://github.com/puppeteer/puppeteer.git>

```
[RINMAC1831:Desktop sreedhar.k$ cd puppeteer/
[RINMAC1831:puppeteer sreedhar.k$ cloc .
  1968 text files.
  1197 unique files.
   830 files ignored.

github.com/AlDanial/cloc v 1.96  T=7.41 s (161.6 files/s, 17299.9 lines/s)

Language                 files      blank      comment      code
-----
TypeScript                217        4562        11130        41640
JSON                      52          20           0        41450
Markdown                  762        6793         10         16747
JavaScript                66         206         637         2427
YAML                      12          50          25          988
HTML                      67          51           0          954
CSS                       11          31          17          187
Text                      4           18           0          130
Bourne Shell              4           9           2           17
Dockerfile                1           6           4           17
SVG                       1           0           0            1
SUM:                     1197       11746       11825       104558

[RINMAC1831:puppeteer sreedhar.k$ cd ..
```

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Linters:

<https://github.com/eslint/eslint>

- Note: **Nunjucks** is a full featured templating engine for javascript. It is heavily inspired by **jinja2**. View the docs [here](#).

(.liquid, .njk, .ejs etc are templates. The packages used to render them are called templating engines).

(File extension for Nunjucks template : .njk)

(Install: npm install nunjucks)

```

RINMAC1831:eslint sreedhar.k$ cloc .
  2038 text files.
  1904 unique files.
  176 files ignored.

github.com/AIDanial/cloc v 1.96 T=3.54 s (537.1 files/s, 146886.2 lines/s)
=====
Language               files      blank      comment      code
=====
JavaScript              1252       30820       53259       355062
Markdown                394       19394         39       48522
JSON                   73         18         0        6946
SCSS                   33         524         34       2842
HTML                   34         109         16       1118
YAML                   46         81        121       1037
Text                    6         94         0        327
EJS                     2         55         0        130
Nunjucks                4          0         0         65
SVG                    57          0         0         57
Bourne Shell            1          4         5          9
JSX                     2          0         0          2
=====
SUM:                   1904       51099       53474      416117
=====
RINMAC1831:eslint sreedhar.k$

```

<https://github.com/jslint-org/jslint.git>

```

Resolving deltas: 100% (4662/4662), done.
RINMAC1831:Desktop sreedhar.k$ cloc jslint/
  30 text files.
  26 unique files.
  9 files ignored.

github.com/AIDanial/cloc v 1.96 T=0.16 s (161.1 files/s, 311386.6 lines/s)
=====
Language               files      blank      comment      code
=====
JavaScript               6       2911       3923       18121
JSON                    2          0         0       17916
Bourne Shell            2        116       235       3439
HTML                    3        170         6       1779
Markdown                 5       299        14        931
YAML                    3          6       40        145
SVG                     4          2         1        142
vim script               1          5       40         10
=====
SUM:                    26       3509       4259       42483
=====
RINMAC1831:Desktop sreedhar.k$

```

<https://github.com/typescript-eslint/typescript-eslint.git>


```
Updating files: 100% (6733/6733), done.
[RINMAC1831:Desktop sreedhar.k$ cloc typescript-eslint/
  6710 text files.
  2420 unique files.
  4303 files ignored.

github.com/AlDanial/cloc v 1.96 T=3.70 s (653.6 files/s, 65973.5 lines/s)
=====
Language               files      blank      comment      code
-----
TypeScript             1992       11075       10643       180835
Markdown                214       11488        253        21163
JSON                    96          5          0        2780
JavaScript              50         268        200        2228
CSS                     20         216         15        1239
YAML                    22          68         65        1228
SVG                     12          0          1         119
Vuejs Component         4           4          8         112
JSON5                    1           2         11          66
TOML                     1           9          2          31
diff                     3           1         44          31
Bourne Shell            3           2          7          10
XML                      1           0          0          10
Dockerfile              1           4          3           8
=====
SUM:                   2420       23142       11252       209860
=====
```

- diff files are config files which usually have file extension of .diff or .patch .

Reference: <https://www.lifewire.com/diff-file-2620661>

- Bourne shell is bash

=====

Templating engines:

Ejs: <https://github.com/mde/ejs.git>

<https://ejs.co/#install>

(npm install ejs)

(File extension: .ejs)

```

RINMAC1831:Desktop sreedhar.k$ cloc ejs/
  114 text files.
  102 unique files.
   13 files ignored.

github.com/AIDanial/cloc v 1.96 T=0.17 s (591.8 files/s, 69705.6 lines/s)
-----
Language               files      blank      comment      code
-----
JSON                    6           0           0          6887
JavaScript             12          362          543         2373
Markdown                6          329           0           937
HTML                   24           39           19           232
EJS                     50           13           1           213
YAML                    2            5           0            35
Text                    1            2           0            22
CSS                     1            0           0             3
-----
SUM:                   102          750          563         10702
-----
RINMAC1831:Desktop sreedhar.k$

```

Liquidjs: <https://github.com/harttle/liquidjs.git>

(.liquid is a template file)

npm install liquidjs

(File extension: .liquid)

```
Resolving deltas: 100% (75116/75116), done.
[RINMAC1831:Desktop sreedhar.k$ cloc liquidjs/
    562 text files.
    528 unique files.
    62 files ignored.

github.com/AlDanial/cloc v 1.96 T=0.93 s (568.1 files/s, 84133.8 lines/s)
-----
Language               files      blank      comment      code
-----
JSON                    28          0          0         49313
TypeScript             203         824        219        11724
Markdown               192        3554         25         8737
JavaScript              37         205         77         1215
Stylus                 11         102          7          987
YAML                   11          21          2          441
liquid                 18          13          1          189
CSS                     5           8          3          117
Bourne Shell           6          20          6           91
Pug                     4           0          0           68
JSX                     1           4          1           52
HTML                    7           6         20           48
Handlebars              1           2          0           42
SVG                     2           0          0           34
XML                     1           0          0           12
Text                    1           0          0            1
-----
SUM:                   528        4759        361        73071
-----
RINMAC1831:Desktop sreedhar.k$
```

Stylus

<https://github.com/stylus/stylus.git>

(.styl is a styling file)

npm install stylus

(File extension: .styl)

```
RINMAC1831:Desktop sreedhar.k$ cd stylus;
RINMAC1831:stylus sreedhar.k$ cloc .
    1053 text files.
    1010 unique files.
     57 files ignored.

github.com/AIDanial/cloc v 1.96  T=0.85 s (1184.3 files/s, 62278.8 lines/s)
-----
Language               files      blank      comment      code
-----
CSS                     356         41         152         9800
JavaScript              142        2259        5373         8931
Stylus                  432        2017         390         7906
Markdown                45        2180          32         6100
JSON                    9           0           0         5337
SVG                     5           4           1          982
XML                     6          35           9          782
TypeScript              7          36          24          507
YAML                    4           7           7          120
Vuejs Component         2           3           4           42
make                    1           8           0           24
Text                    1           0           0            2
-----
SUM:                   1010        6590        5992        40533
-----
RINMAC1831:stylus sreedhar.k$ █
```

Pug

<https://github.com/pugjs/pug.git>

(.pug is a template file)

npm install pug

(File extension: .pug)

```
RINMAC1831:Desktop sreedhar.k$ cd pug
RINMAC1831:pug sreedhar.k$ cloc .
    916 text files.
    695 unique files.
    222 files ignored.

github.com/AIDanial/cloc v 1.96  T=0.49 s (1431.0 files/s, 50333.3 lines/s)
-----
Language               files      blank      comment      code
-----
JSON                   175           0           0         8545
JavaScript              69          905         909         8070
Markdown               31          701           8         1826
Pug                    293         314          47         1631
HTML                   116          42          28          857
TypeScript              2          49           2          371
YAML                    5          17           1          113
CSS                     1           0           0            5
Stylus                  2           0           0            3
CoffeeScript            1           0           0            2
-----
SUM:                   695        2028         995        21423
-----
RINMAC1831:pug sreedhar.k$
```

Handlebars (hybrid)

(.handlebars is a template file)

npm install handlebars

(File extension: .handlebars)

Nunjucks (hybrid)

- Note: **Nunjucks** is a full featured templating engine for javascript. It is heavily inspired by **jinja2**. View the docs [here](#).

(.liquid, .njk, .ejs etc are templates. The packages used to render them are called templating engines).

(File extension for Nunjucks template : .njk)

(Install: npm install nunjucks)

=====